

DT07 Rec'd PCT/PTO 0 3 MAR 2005

00005.001252

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

NAOTO OSAKADA, ET AL.

Application No.: 10/519,197

Filed: December 23, 2004

For: PHOSPHODIESTERASE
INHIBITOR

)
: Examiner: Not Yet Assigned

)
: Group Art Unit: Not Yet Assigned

)
: March 2, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

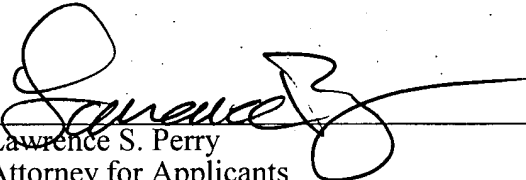
Documents A, B, I, N, O, T-Y and AC-AJ were cited in the International Search Report, of record. The concise explanation of their relevance may be found therein. The remaining references are all discussed in Applicants' specification. Additionally, English-language abstracts of any non-English documents are enclosed.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

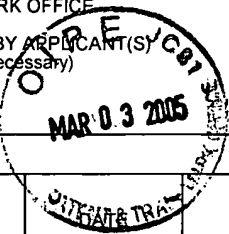
Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

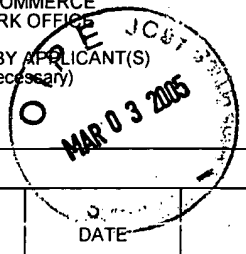

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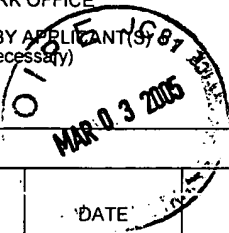
FORM PTO, 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 00005.001252		APPLICATION NO. 10/519,197	
				APPLICANT Naoto Osakada, et al.			
				FILING DATE December 23, 2004		GROUP Not Yet Assigned	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,780,634	7/98	Inoue, et al.	546	173	
	B	2003/0018047	1/03	Lebel, et al.	514	317	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	C	0 380 038	6/95	EP			
	D	0 601 191	6/94	EP			
	E	WO 01/24785	4/01	PCT			
	F	0 339 485	11/89	EP			
	G	WO 91/19498	12/91	PCT			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	H	Ren, et al., "Dihydroorotate Dehydrogenase Inhibitors: Quantitative Structure-activity Relationship Analysis", <i>Pharmaceutical Research</i> , Vol. 15, No. 2 (1998), pages 286-295					
	I	Chen, et al., "Structure-Activity Relationship of Quinoline Carboxylic Acids", <i>Biochemical Pharmacology</i> , Vol. 40, No. 4 (1990), pages 709-714					
	J	Jöckel, et al., "Structural and Functional Comparison of Agents Interfering with Dihydroorotate, Succinate and NADH Oxidation of Rat Liver Mitochondria", <i>Biochemical Pharmacology</i> , Vol. 56 (1998), pages 1053-1060					
	K	Batt, et al., "Immunosuppressive Structure-Activity Relationships of Brequinar and Related Cinchoninic acid Derivatives", <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 5, No. 14 (1995), pages 1549-1554					
	L	Sloboda, et al., "Antiinflammatory and Antiarthritic Properties of a Substituted Quinoline Carboxylic Acid: CL 306,293", <i>The Journal of Rheumatology</i> , Vol. 18, No. 6 (1991), pages 855-860					
	M	Scott, et al., "Studies of the effect of CL 306,293, a substituted quinoline carboxylic acid, on the clinical disease induced in mice with LP-BM5 virus", <i>Antiviral Research</i> , Vol. 20 (1993), pages 71-81					
	N	Bečić, et al., "Preliminary definition of analgesic effect of newly synthesized derivatives of pyrazolin and quinoline carbonic acids", <i>Periodicum Biologorum</i> , Vol. 103, No. 4 (2001), pages 321-325					
	O	Bała, et al., "Synthesis and Preliminary Pharmacological Screening of 4-Methylamino-2-phenylquinoline-3-carboxyamides", <i>Pol. J. Pharmacol. Pharm.</i> , Vol. 38, No. 1 (1986), pages 115-124					
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	P	4,680,299	7/87	Hesson	514	311	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	Q	WO 97/42953	11/97	PCT			
	R	0 362 578	4/90	EP			
	S	0 339 484	11/89	EP			
	T	0 133 244	2/85	EP			
	U	0 362 578	4/90	EP			
	V	WO 02/36568	5/02	PCT			
	W	WO 00/31037	6/00	PCT			
	X	WO 02/44165	6/02	PCT			
	Y	WO 02/38547	5/02	PCT			
	Z	10-231289	1998	Japan			Abstract
	AA	08-003144	1996	Japan			Abstract
	AB	60-042367	1985	Japan			Abstract
	AC	WO 97/19927	6/97	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AD	Chujo, et al., "Synthetic Study on Novel Immunosuppressant KF20444", <i>Bioorganic & Medicinal Chemistry</i> , Vol. 9, No. 12 (2001), pages 3273-3286					
	AE	Morreale, et al., "Arylpiperazines with Serotonin-3 Antagonist Activity: A Comparative Molecular Field Analysis", <i>J. Med. Chem.</i> , Vol. 41, No. 12 (1998), pages 2029-2039					
	AF	Fujishige, et al., "Cloning and Characterization of a Novel Human Phosphodiesterase that Hydrolyzes Both cAMP and cGMP (PDE10A), <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 26 (1999), pages 18438-18445					
EXAMINER				DATE CONSIDERED			

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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	AG	WO 97/19926	6/97	PCT		
	AH	WO 95/32948	12/95	PCT		
	AI	O 755 685	1/97	EP		
	AJ	WO 01/32170	5/01	PCT		
	AK	WO 92/00739	1/92	PCT		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		

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